



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
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MINIMUM REQUIREMENTS FOR
PRELIMINARY GEOMETRIC REVIEW

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The information shown below is the minimum requirements for a preliminary geometric review. Geometric detail sheets may not be required for urban projects due to the scale used for plan development. The decision for the need of geometric detail sheets will need to be addressed by the coordinator during the development of the proposal.

1. Title Sheet

- Layout map
- Traffic data
 - ADT (year project is to be let)
 - Projected ADT (20 years)
 - T
 - D
 - K
 - Class of roadway
 - Design speed

2. Typical Section Sheet(s)

- Detail of typical section(s)
 - Number of lanes
 - Number of parking lanes (if applicable)
 - Lane widths and slopes
 - Median widths (if applicable)
 - Curb width and type (if applicable)
 - Offsets
 - Sidewalks (if applicable)
 - Shoulder widths and slopes (if applicable)
 - Foreslope rates
 - Backslope rates
 - Clear zone
 - R/W location
 - Ditch width (if applicable)
 - Superelevation table
 - Runoff and runout details

3. Plan and Profile Sheets

- Limits of proposed reconstruction
- Parking lanes clearly delineated
- Name of roadway and any intersecting streets
- Dimensions (beginning and end each sheet)
 - Roadway
 - Shoulder (if applicable)
 - Curb (if applicable)

- Existing and required R/W lines (if known)
- Location of truck stops, schools or other environmentally sensitive areas
- Horizontal curve data and callouts
- Equations
- Transition lengths
- Offset distances
 - Medians
 - Islands
 - Etc.
- Median lengths (distance/station)
- Median openings
- Turnouts
 - Radii
 - Deltas
 - Lengths
- Profile grade
 - Vertical curve data and controls
 - Equations
 - Profiles of intersecting streets
 - Bridge ends
- Vertical and horizontal clearances to any structure

4. Geometric Detail Sheets

- Turnouts
 - Radii
 - Deltas
 - Stations (optional)
 - Distances
 - Baseline/Surveyline Intersection
 - Station
 - Delta
 - Baseline/Surveyline Curve Data
- Turnlanes and Medians
 - See "Geometric Detail Sheets"
 - Tie to baseline/surveyline
 - Length of storage
 - Length of transition
- Intersections
 - See "Geometric Detail Sheets"
 - Lane lines with directional arrows

5. Detour geometry and proposed speed (if known)

- Median barriers (if known)
- End treatment (if known)